

SEQUENCE LISTING

<110> Sheppard, Paul O.
Deisher, Theresa A.
Jaspers, Stephen R.
Bishop, Paul D.

<120> TML Polynucleotides

<130> 97-04D3

<150> 09/404,417

<151> 1999-09-23

<150> 09/046,479

<151> 1998-03-28

<150> 60/041,102

<151> 1997-03-24

<160> 13

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 351

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (1)...(351)

<400> 1

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Met	Pro	Ser	Pro	Gly	Thr	Val	Cys	Ser	Leu	Leu	Leu	Leu	Gly	Met	Leu	
1				5				10					15			

tgg	ctg	gac	ttg	gcc	atg	gca	ggc	tcc	agc	ttc	ctg	agc	cct	gaa	cac	96
Trp	Leu	Asp	Leu	Ala	Met	Ala	Gly	Ser	Ser	Phe	Leu	Ser	Pro	Glu	His	
			20					25					30			

cag	aga	gtc	cag	cag	aga	aag	gag	tcg	aag	aag	cca	cca	gcc	aag	ctg	144
Gln	Arg	Val	Gln	Gln	Arg	Lys	Glu	Ser	Lys	Lys	Pro	Pro	Ala	Lys	Leu	
			35				40						45			

cag	ccc	cga	gct	cta	gca	ggc	tgg	ctc	cgc	ccg	gaa	gat	gga	ggt	caa	192
Gln	Pro	Arg	Ala	Leu	Ala	Gly	Trp	Leu	Arg	Pro	Glu	Asp	Gly	Gly	Gln	
	50					55					60					

gca	gaa	ggg	gca	gag	gat	gaa	ctg	gaa	gtc	cgg	ttc	aac	gcc	ccc	ttt	240
Ala	Glu	Gly	Ala	Glu	Asp	Glu	Leu	Glu	Val	Arg	Phe	Asn	Ala	Pro	Phe	
65				70				75						80		

gat	gtt	gga	atc	aag	ctg	tca	ggg	gtt	cag	tac	cag	cag	cac	agc	cag	288
Asp	Val	Gly	Ile	Lys	Leu	Ser	Gly	Val	Gln	Tyr	Gln	Gln	His	Ser	Gln	
				85				90						95		

gcc	ctg	ggg	aag	ttt	ctt	cag	gac	atc	ctc	tgg	gaa	gag	gcc	aaa	gag	336
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Ala Leu Gly Lys Phe Leu Gln Asp Ile Leu Trp Glu Glu Ala Lys Glu
 100 105 110

gcc cca gcc gac aag
 Ala Pro Ala Asp Lys
 115

351

<210> 2
 <211> 117
 <212> PRT
 <213> Homo sapiens

<400> 2
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 1 5 10 15
 Trp Leu Asp Leu Ala Met Ala Gly Ser Ser Phe Leu Ser Pro Glu His
 20 25 30
 Gln Arg Val Gln Gln Arg Lys Glu Ser Lys Lys Pro Pro Ala Lys Leu
 35 40 45
 Gln Pro Arg Ala Leu Ala Gly Trp Leu Arg Pro Glu Asp Gly Gly Gln
 50 55 60
 Ala Glu Gly Ala Glu Asp Glu Leu Glu Val Arg Phe Asn Ala Pro Phe
 65 70 75 80
 Asp Val Gly Ile Lys Leu Ser Gly Val Gln Tyr Gln Gln His Ser Gln
 85 90 95
 Ala Leu Gly Lys Phe Leu Gln Asp Ile Leu Trp Glu Glu Ala Lys Glu
 100 105 110
 Ala Pro Ala Asp Lys
 115

<210> 3
 <211> 546
 <212> DNA
 <213> Sus scrofa

<220>
 <221> CDS
 <222> (40)...(396)

<400> 3
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 Met Val Ser Arg Lys
 1 5
 gct gtg gtc gtc ctg ctg gtg gtg cac gca gct gcc atg ctg gcc tcc 102
 Ala Val Val Val Leu Leu Val Val His Ala Ala Ala Met Leu Ala Ser
 10 15 20
 cac acg gaa gcc ttt gtt ccc agc ttt acc tac ggg gaa ctt cag agg 150
 His Thr Glu Ala Phe Val Pro Ser Phe Thr Tyr Gly Glu Leu Gln Arg
 25 30 35
 atg cag gaa aag gag cgg aat aaa ggg caa aag aaa tcc ctg agt gtc 198
 Met Gln Glu Lys Glu Arg Asn Lys Gly Gln Lys Lys Ser Leu Ser Val
 40 45 50
 cag cag gcg tcg gag gag ctc ggc cct ctg gac ccc tcg gag ccc acg 246
 Gln Gln Ala Ser Glu Glu Leu Gly Pro Leu Asp Pro Ser Glu Pro Thr
 55 60 65
 aag gaa gaa gaa agg gtg gtt atc aag ctg ctc gcg cct gtg gac att 294

Lys Glu Glu Glu Arg Val Val Ile Lys Leu Leu Ala Pro Val Asp Ile
 70 75 80 85
 gga atc agg atg gac tcc agg cag ctg gaa aag tac cgg gcc acc ctg 342
 Gly Ile Arg Met Asp Ser Arg Gln Leu Glu Lys Tyr Arg Ala Thr Leu
 90 95 100
 gaa agg ctg ctg ggc cag gcg ccg cag tcc acc cag aac cag aat gcc 390
 Glu Arg Leu Leu Gly Gln Ala Pro Gln Ser Thr Gln Asn Gln Asn Ala
 105 110 115
 gcc aag taacaggccg ctggggggaga aggaggacac agctcggacc cccctccac 446
 Ala Lys
 gcagggaggg cctagaaatc cgctgggctt ggaaggaaaa caccctctcc caaacagccc 506
 tcagcccccc tccccagca aataaagcgt ggaaataggc 546

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 20 25 30
 Gly Glu Leu Gln Arg Met Gln Glu Lys Glu Arg Asn Lys Gly Gln Lys
 35 40 45
 Lys Ser Leu Ser Val Gln Gln Ala Ser Glu Glu Leu Gly Pro Leu Asp
 50 55 60
 Pro Ser Glu Pro Thr Lys Glu Glu Glu Arg Val Val Ile Lys Leu Leu
 65 70 75 80
 Ala Pro Val Asp Ile Gly Ile Arg Met Asp Ser Arg Gln Leu Glu Lys
 85 90 95
 Tyr Arg Ala Thr Leu Glu Arg Leu Leu Gly Gln Ala Pro Gln Ser Thr
 100 105 110
 Gln Asn Gln Asn Ala Ala Lys
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 <211> 6
 <212> PRT
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 <223> Xaa is any amino acid

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<221> VARIANT
 <222> (1)...(6)
 <223> Xaa = Any Amino Acid

<221> VARIANT
 <222> (1)...(6)

<223> Xaa = Any Amino Acid

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Glu Xaa Gln Arg Xaa Gln
1 5

<210> 6

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Artificial peptide

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<223> Xaa is any amino acid

<221> VARIANT

<222> (5)...(5)

<223> Xaa is any amino acid

<221> VARIANT

<222> (1)...(7)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (1)...(7)

<223> Xaa = Any Amino Acid

<400> 6

Ala Pro Xaa Asp Xaa Gly Ile
1 5

<210> 7

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide

<400> 7

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40

<210> 8

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> OLIGONUCLEOTIDE

<400> 8

catgctctgg ctggactt

18

<210> 9

<211> 18

<212> DNA

<213> Artificial Sequence

<220>
 <223> OLIGONUCLEOTIDE

<400> 9
 ctggactctc tgggtgttc 18

<210> 10
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 10
 ggctccagct tcttgagccc tgaacaccag agagtccagc agagaaagga gtcg 54

<210> 11
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 11
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 1 5 10 15
 Glu Ser

<210> 12
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
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 <223> Xaa is Gly, Ser, Ala, Thr, or Met

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 <222> (4)...(4)
 <223> Xaa is Phe, Trp, Tyr, Leu, Val, or Ile

<221> VARIANT
 <222> (5)...(5)
 <223> Xaa is Phe, Tyr, Leu, Val, or Ile

<221> VARIANT
 <222> (6)...(6)
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<221> VARIANT
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 <223> Xaa is Gly, Pro, Ala, Ile, leu or Val

<221> VARIANT
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 <223> Xaa is Glu or Asp

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<221> VARIANT
<222> (10)...(10)
<223> Xaa is Gln, Asn, Ser, Thr, His, Ala, Glu, Asp,
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<221> VARIANT
<222> (11)...(11)
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<221> VARIANT
<222> (13)...(13)
<223> Xaa is Gln, Asn, Ser, Thr, His, Ala, Glu, Asp,
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<222> (18)...(18)
<223> Xaa is Gln, Asn, Ser, Thr, His, Ala, Glu, Asp,
      Lys, or Arg

<400> 12
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 1             5             10             15
Xaa Xaa

<210> 13
<211> 14
<212> PRT
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<400> 13
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